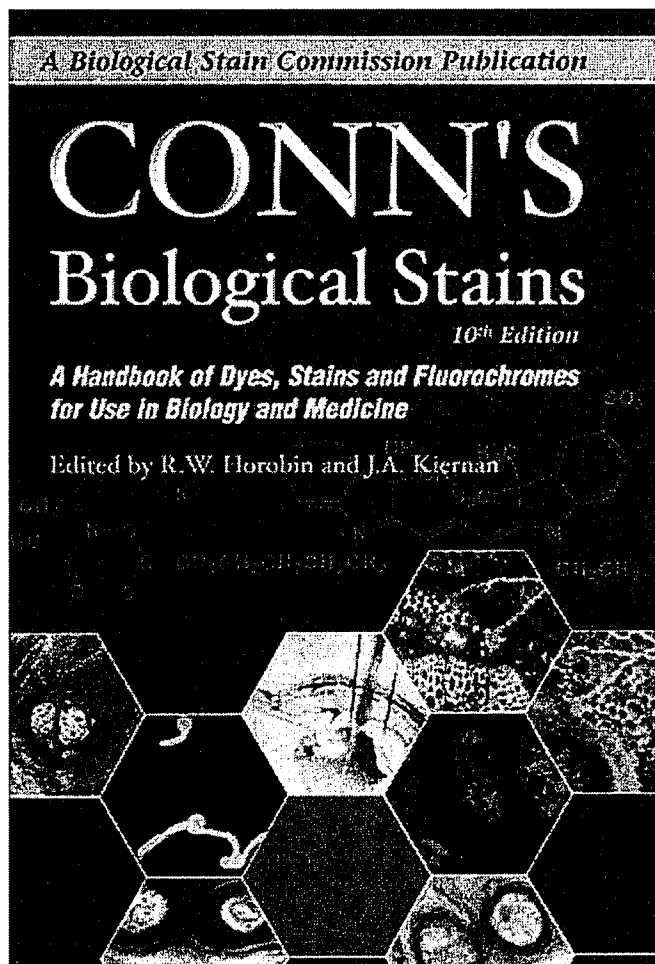


©[www.sigma-aldrich.com](http://www.sigma-aldrich.com)

**C5362 Conn's Biological Stains, A Handbook of Dyes, Stains and  
Sigma Fluorochromes for Use in Biology and Medicine, 10th ed.**



[Print](#)

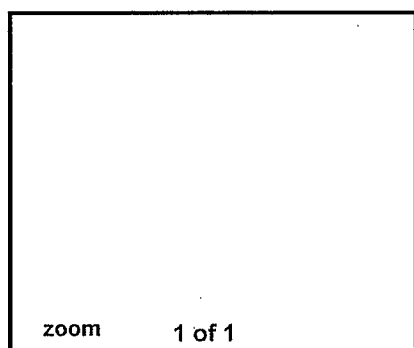
[Login](#) | [Register](#) | [My Profile](#)

[Home](#) | [Products](#) | [Order Center](#) | [Custom Products](#) | [Support](#)

Having trouble viewing pricing  
and availability information?

[Click Here](#)

## C5362 Conn's Biological Stains, A Handbook of Dyes, Stains and Flu Sigma Use in Biology and Medicine, 10th ed.



**General description** For 75 years Conn's Biological Stains has been a standard reference and colorants in biological and medical sciences. This edition appears 25 years after it was rewritten to reflect the increase in range of uses. Although staining of microscopical preparations, the uses of dyes and fluorochromes now extend beyond this application. This book provides a whole range of low molecular weight fluorescent probes, outside the catalog literature, and covers the important aspects of colorants and their uses. The remainder consists of descriptions of applications of hundreds of individual compounds, in about twenty chemical classes.

[Expand/Collapse All](#)

### Price and Availability

No Pricing Availability Returned

### Identifiers

ISBN-10 1-85996-099-5  
ISBN-13 978-1-85996-099-8

### Properties

publication info R.W. Horobin and J.A. Kiernan, ed., BIOS, 2002, 580 pp., hard cover

### Table of Contents

Dyes and stains

- \* History of stains and staining
- \* Classification of dyes and dye nomenclature
- \* Applications of dyes, fluorochromes and pigments
- \* Mechanisms of biological staining
- \* Significance of dye purity and standardisation for biological staining
- \* Hazards and risks of dyes, pigments and fluorochromes
- \* Fluorochromes and fluorescent probes
- \* Reactive dyes, fluorescent labels and conjugation agents
- \* Use of dyes and fluorochromes as indicators
- \* Nitroso and nitro dyes
- \* Monoazo dyes
- \* Dis-, tris- and polyazo dyes
- \* Diazonium salts and their reaction products with coupling agents

- \* Tetrazolium salts and formazans
- \* Amino di- and triarylmethane dyes
- \* Hydroxy triarylmethanes
- \* Xanthenes
- \* Acridines and phenanthridines
- \* Azines
- \* Oxazines and related dyes
- \* Thiazines
- \* Romanowsky-Giemsa stains
- \* Polyenes dyes and fluorochromes
- \* Cyanines, oxonals and related polytmethines
- \* Styryls, coumarins and other neutrocyanines
- \* Carbonyl dyes, including anthraquinones and naphthalimides
- \* Phthalocyanines and other aza annulenes
- \* Miscellaneous inorganic and organic stains
- \* Methods for testing biological stains

### **Related Categories**

... A to Z Books and Software Titles > **C**

... Books and Software > **Hematology and Histology books**

... Books and Software > **Stains and Dyes books**

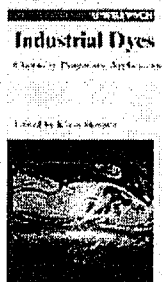
**[Site Use Terms](#) | [Terms and Conditions of Sale](#) | [Privacy](#) | [Contact Us](#) | [Site Map](#)**

Copyrights © 2008 Sigma-Aldrich Co. All Rights Reserved. Reproduction of any materials from the site is strictly forbidden without permission. Sigma-Aldrich brand p

©www.sigma-aldrich.com

## Z553476 Industrial Dyes: Chemistry, Properties, Applications

Aldrich



**General description** Dyes - originally obtained exclusively from natural sources - are today also produced and represent one of the very mature and traditional sectors of the chemical industry. The present reference provides a comprehensive review of the chemistry, properties and applications of the most important groups of optical brighteners. It also outlines the latest developments in the area of functional dyes. Renowned experts have contributed to the chapters on chemical chromophores, synthesis and application of the various dye classes in textile dyeing.

[Expand/Collapse All](#)

### Price and Availability

Product Number	Your Price USD	Available to Ship	Quantity	Actions
Z553476-1EA	193.50	09/16/2008 details...	<input type="text"/>	

### Identifiers

ISBN-10	3527304266
ISBN-13	978-352730426-4

### Properties

**publication info** K. Hunger, John Wiley & Sons, 2003, 500 pp., hard cover

### Table of Contents

Preface.  
List of Contributors.  
Dyes, General Survey.  
Important Chemical Chromophores of Dye Classes.  
Dye Classes for Principal Applications.  
Textile Dyeing.  
Nontextile Dyeing.  
Functional Dyes.  
Optical Brighteners.  
Health and Safety Aspects.  
List of Examples of Commercially Available Dyes.  
Index.

### Related Categories

... [A to Z Books and Software Titles > I-J](#)

... [Books and Software > Stains and Dyes books](#)

[Print](#)



**DYOMICS**  
*Colours for Life*

# Catalogue

Fluorescent Dyes for Bioanalytical  
and Hightech Applications

5th Edition – autumn 2007

# Label

Table with spectral characteristics of DY-Labels

label	absorption maximum* [nm]	molar absorbance* [l · mol <sup>-1</sup> · cm <sup>-1</sup> ]	emission maximum* [nm]	molecular weight# [g · mol <sup>-1</sup> ]	order number	page
DY-405	400	32'000	420	695.59	405	9
DY-415	418	34'000	467	476.48	415	10
DY-490	490	73'000	516	769.67	490	11
DY-495	493	70'000	521	525.94	495	12
DY-505-X5	505	80'000	530	523.97	505-X5	13
DY-547	557	150'000	574	638.74	547	14
DY-548	558	150'000	572	754.81	548	15
DY-549	560	150'000	575	884.91	549	16
DY-554	551	100'000	572	580.08	554	17
DY-555	547	100'000	572	636.19	555	18
DY-556	548	100'000	573	715.80	556	19
DY-560	559	120'000	578	671.84	560	20
DY-590	580	120'000	599	719.88	590	21
DY-610	610	80'000	630	667.76	610	22
DY-615	621	200'000	641	578.73	615	23
DY-630	636	200'000	657	634.84	630	24
DY-631	637	200'000	658	736.88	631	25
DY-632	637	200'000	657	852.96	632	26
DY-633	637	200'000	657	750.91	633	27
DY-634	635	200'000	658	969.03	634	28
DY-635	647	200'000	671	658.86	635	29
DY-636	645	200'000	671	760.91	636	30
DY-647	653	250'000	672	664.78	647	31
DY-648	653	250'000	674	780.85	648	32
DY-649	655	250'000	676	1910.95	649	33
DY-650	653	220'000	674	686.92	650	34
DY-651	656	220'000	678	788.96	651	35
DY-652	654	220'000	675	905.03	652	36
DY-675	674	180'000	699	706.91	675	37
DY-676	674	180'000	699	808.95	676	38
DY-677	673	180'000	694	925.02	677	39
DY-678	674	180'000	698	1027.07	678	40
DY-680	690	140'000	709	634.84	680	41
DY-681	691	140'000	708	736.88	681	42
DY-682	690	140'000	709	852.96	682	43